

Newsletter of the Mycological Society of America

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March 31, 2014

Abstract submission deadline for MSA 2014 Annual Meeting
Early registration deadline for MSA 2014 Annual Meeting
Deadline for submission to *Inoculum* 65(2)

April 1–May 15, 2014

Late registration deadline for MSA 2014 Annual Meeting

May 15, 2014

Deadline for submission to *Inoculum* 65(3)

Editor — Julia Kerrigan

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List of Protected Generic Names for Fungi

As a first step towards the production of a List of Protected Generic Names for Fungi, a without-prejudice list is presented here as a basis for future discussion and the production of a List for formal adoption. We include 6995 generic names out of the 17072 validly published names proposed for fungi and invite comments from all interested mycologists by 31 March 2014. The selection of names for inclusion takes note of recent major publications on different groups of fungi, and further the decisions reached so far by international working groups concerned with particular families or genera. Changes will be sought in the Code to provide for this and lists at other ranks to be protected against any competing unlisted names, and to permit the inclusion of names of lichen-forming fungi. A revised draft will be made available for further discussion at the 10th International Mycological Congress in Bangkok in August 2014. A schedule is suggested for the steps needed to produce a list for adoption by the International Botanical Congress in August 2017. This initiative provides mycologists with an opportunity to place nomenclature at the generic level on a more secure and stable base.

<http://www.imafungus.org/Issue/42/27.PDF>

Undergrad Research Award: Announcement and Call for Contributions

We are soliciting your financial assistance and student applications for the MSA Undergraduate Research award. Each year, the Mycological Society of America awards several graduate fellowships to support the research and professional development of young scientists that show promise in the field of mycology. These annual awards are made possible by the generous support of MSA benefactors and society members and are an important component of the society's mission to promote opportunities for young mycologists.

This year, the MSA Education and Endowment Committees have initiated the Undergraduate Research Award to enhance opportunities for undergraduate students pursuing research projects in mycology. We anticipate that this award will be an important tool in supporting young scientists as they explore their interest in fungal biology. We hope that all MSA members will encourage excellent undergraduate mycologists to apply for this award. We also ask that all society members consider contributing funds to support this important new award.

The Undergraduate Research Award will be offered for student research covering any topic related to fungal biology (and or-

Continued on following page

ganisms traditionally studied by mycologists) including: medical mycology, cell biology, physiology, systematics, evolution, genomics, and ecology. The undergraduate student awardee will conduct independent or directed research under the guidance of a research mentor. This award is open to all undergraduate students with sophomore, junior, or senior standing. The selection of award recipients will be based on the merit of the proposed research with special attention given to the potential of the student to contribute to existing knowledge of fungal biology. Award decisions will be based on the quality of the application and the qualifications of the individual undergraduate student who is applying. Special consideration will not be given to a student based on the specific nature of the academic institution from which they are applying. The fellowships will be selected based on scholastic achievements (with a copy of transcripts), a research pro-

posal outlining the planned project and timeline (limited to 2 pages including references cited) and a letter of recommendation from the research mentor. The Student Award committee will select the recipient each year.

In 2014, the award will be given. As with other MSA awards, applications and nominations are invited near the end of each calendar year, with a submission deadline of February 15. The MSA awards are publicly announced at the annual MSA meeting, which typically takes place in July or August. For application information, please see the MSA website.

To contribute to this endowment, simply go to the website (<http://psfebus.allenpress.com/eBusMYSA/DONATIONS.aspx>), select the page for "Undergraduate Award," and then enter information on the amount you would like to donate and the method of donation.

NAMA Mycological Communication Contest

Effective communication with the lay public about scientific discoveries and observations will help engender public interest in and support for both basic science and for the environment where we conduct our research. To encourage communication by students doing mycological research, NAMA is soliciting student research papers for publication in *McIlvainea: Journal of American Amateur Mycology*. All students who submit a paper will receive a one-year membership in NAMA. A \$250 prize will be awarded to the author of the best paper in each of four categories: 1) best paper by a K-12 student; 2) best undergraduate paper; 3) best graduate/post doctoral paper and 4) judges option award (any cat-

egory). In addition, the winners will be invited to attend the NAMA Annual Meeting/Foray and present their work at a student mycological colloquium. Winners who choose to attend the NAMA foray will each receive a \$500 stipend to help cover registration, travel, meals and lodging.

Deadline January 15 of each year

In the event that no entries are received in a given category, the judges may make an additional judges option award.

Entries must be submitted to Michael W. Beug, Editor, *McIlvainea* beugm@evergreen.edu.

MSA BUSINESS

Executive Vice President's Report

As I write this column, the New Year is less than two weeks old, we are preparing to start spring semester classes, and the MSA Annual Meeting in East Lansing, MI is five months away. Don't forget—February 15 is the deadline for MSA Council nominations, award nominations and travel grants. In addition to travel grants for the annual MSA meeting, applications are also being accepted for travel grants for three international meetings to be held in 2014 (see **2014 Award Nominations and Travel Grants** below).

Council Business: Two email polls were sent out for Council input since my December column, one poll to approve the 2014 Karling Lecturer and the second poll for Council feedback on a fourth Executive Editor appointment. At the end of 2013 we bid a fond farewell to Editor-in-Chief



Lori Carris,
Executive Vice President

Jeff Stone and Managing Editor Karen Snetelaar, whose terms ended December 31. I know that I speak on behalf of the entire Society in expressing our great appreciation for their exemplary service. With the start of 2014, we welcome Chris Schardl, Lee Taylor and Frances Trail as the new Executive Editors of *Mycologia*, and Cathie Aime as Managing Editor. Planning is well underway for the annual meeting, and the Executive Council is working on identifying a date to hold our midyear phone conference. A call for midyear reports was sent out to Council and Committee Chairs in December.

Spring Ballot: Look for the spring ballot in mid-March. This year's ballot includes elections for MSA Vice President and four Councilors (Cell

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Biology/Physiology, Genetics/Molecular Biology, Systematics/Evolution, and Ecology/Pathology) and proposed By-laws changes (see **Call for Nominations for Council** below).

New Members: I would like to extend a warm welcome to the following new and returning members. Their membership will be formally approved at the 2014 Annual Business Meeting in East Lansing, MI.

Austria: Toby Spribille

China: Lei Cai

France: Eric Podico

Japan: Hiroki Sato

Nigeria: Erute Magdalene Adongbede

Saudi Arabia: Ali H. Bahkali

Sweden: Samantha Fernandez-Brime

United Kingdom: Daniel Arthur Henk

United States: Troy Abercrombie, Kevin Amses, Jennifer Apple, Michael Beug, Marsha Browne, Gwendolyn Casebeer, Natalie Christian, Hung Kim Doan, Aileen Ferraro, Brittany Hardy, Michael C. Kim, Matthew Kolp, Kaury Kucera, Katy Lazarus, Marsha Lewis, Brian Looney, John M. Matuszak, Inga Meadows, Benjamin Nave, Daniel S. Newman, Christina Nguyen, Nina O'Malley, David Pawlowski, Christine E. Short, Jason Smith, Christopher W. Smyth, Tarah Sullivan, Kara Thies, Danielle Churchill Thomas, Nancy Tseng, Noelle Visser, Stephen G. Wu, Hui-Ching Yang, Rui Zhang

2014 Membership Renewal: MSA membership renewal notices were sent out by email in early November. When you renew online, you will see a new (and improved) membership renewal site. Membership renewal is also a great time to make a donation to the Society to help support student travel and research awards. A complete list of funds can be found on the MSA Business site under <Donations>. Please contact me with any suggestions or feedback on the membership renewal or donation process.

Call for Nominations for Council: MSA is accepting nominations to fill Council positions for Vice President and four Councilors. These nominations are important to the Society, and I encourage everyone to consider nominating a colleague. Nominations will be accepted through **February 15**. Nominations can be submitted to Vice President Kerry O'Donnell by email (kerry.odonnell@ars.usda.gov) or by regular mail (NRRL ARS USDA, 1815 N. University, Peoria IL 61604). A list of past and present officers and councilors is available on the MSA website.

2014 Award Nominations and Travel Grants: The call for nominations and applications for MSA awards and travel grants was published in the December issue of *Inoculum*. This year's call includes mentor travel awards for students attending the annual meeting at Michigan State University, as well as **international travel awards** for students and postdoctoral associates attending three international meetings in 2014:

IUMS (Montreal, Canada, July 27-Aug. 1, 2014)

IMC10 (Thailand, August 3-8, 2014)

VIII Congreso Latinoamericano de Micología (Medellin, Colombia, Nov. 4-7, 2014)

The deadline for all applications and nominations is **February 15**.

Annual Meeting: This year's annual meeting will be held June 8-12 at the Kellogg Center on the beautiful campus of Michigan State University, East Lansing. The MSA Foray will be held Sunday, June 8 at the Waterloo Recreation Area, a state park with 20,000 acres of diverse habitat including forested wetland, bog, and mature oak-hickory forests near Chelsea, Michigan. Check the meeting site (<http://msafungi.org/MSAconference/>) for information on meeting and foray registration, abstract submission and meeting schedule.

REMINDER: MSA Directory Update: Please check that your address, phone, email, and membership status are up-to-date. The Society relies on email to bring you timely information on MSA news, awards, elections, meetings and other activities. To ensure that you receive those important Society blast emails and *Inoculum*, take a few minutes to confirm the accuracy of your contact information in the online directory. This can be accessed via our website (www.msa.org)—look for the “Member Services” box in the bottom left corner of the page. If you have renewed your membership and don't find your name in the online directory, contact me for assistance. If you need assistance with updating any of your membership information, contact our new Association Manager at Allen Press, Liza Woolard (lwoolard@allenpress.com).

Feel free to contact me about MSA business, or any other questions you have about the Society. If I don't know the answer, I can generally find someone who does. And don't forget to recommend MSA to your colleagues, and particularly to students and postdoctoral associates who are interested in fungi. Remember, there is now a postdoctoral member rate!

Lori Carris
MSA Executive Vice President
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MSA 2013–2014 Official Roster

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Mary Berbee, *Past President* (2012-2013)
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HighWire Press

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Mycologia Online Feedback / Support

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Lee Taylor, *ex officio*, *Mycologia EE*
Frances Trail, *ex officio*, *Mycologia EE*
Julia Kerrigan, *ex officio*, *Inoculum Editor*
Lori Carris, *ex officio*, *MSA Executive Vice President*
Liza Woolard, *ex officio*, *Allen Press*
Julie Noblitt, *ex officio*, *HighWire Press*

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ROTATING COMMITTEES – AWARDS

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Research Awards

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Teresa Pawlowska, *ex officio, Past Chair*

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Imke Schmitt, *ex officio, Past Chair*

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Sharon Cantrell, *ex officio, Treasurer*
Joey Spatafora, *ex officio, President*

Karling Annual Lecture

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Antonis Rokas (2013-2016)
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Cameron Currie, *ex officio, Past Chair*

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(Amateur appointment)
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Andy Wilson, *ex officio, Past Chair*

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Mary Berbee (2013-2017)
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James B. Anderson, *ex officio, Past Chair*

Program

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Thorsten Lumbsch (2013-2016)
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TBD

Kerry O'Donnell, *ex officio, Past Chair*
D. Jean Lodge, *ex officio, President-Elect*

ROTATING COMMITTEES – SPECIFIC EXPERTISE

Biodiversity

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Cathy Cripps, *ex officio, Past Chair*

Culture Collections

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Andrea Porras-Alfaro, *ex officio*, *Past Chair*

Environmental Health & Medical Mycology

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Genetics & Cell Biology

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Vacant

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Representative to the Collections Web Research Coordination Network

Vacant

Affiliated Mycological Societies - Regional

Boston Mycological Club (**BMC**)
Illinois Mycological Association (**IMA**)
Oregon Mycological Society (**OMS**)

Allied/Sister Mycological Societies – National & International

African Mycological Association
Australasian Mycological Society
British Mycological Society (**BMS**)
Latin American Mycological Society (**ALM**)
Mycological Society of China (**MSC**)
Mycological Society of Japan (**MSJ**)
North American Mycological Association (**NAMA**)

Honorary Societies & Institutes

British Mycological Society
Centraalbureau voor Schimmelcultures (CBS) 2004
Mycological Society of Japan 2005

Editor's Note

This is my first edition serving as *Inoculum* Editor. I thank Don Natvig, the previous Editor, who helped show me the process of compiling this publication. I am happy to serve in this capacity, as I have always enjoyed reading the *Inoculum* and the news and updates it provides.

Please keep submitting those articles, news items, and announcements! And encourage your students to do so as well.

Julia

MSA STUDENT SECTION

Happy New Year from your Student Section Board!



Follow us online
for more updates on
future events and
ways to get
involved!



@MSAStudents



2014

Board Election Results:

Chair Mia Maltz, Vice Chair Danny Haelewaters,

Treasurer Samantha Lee, Secretary Jessie Uehling, Communications Cat Adams

MYCOLOGICAL NEWS

Hanlin Symposium Invitation

The University of Georgia, Department of Plant Pathology and the Georgia Museum of Natural History invite all interested students, postdocs, faculty, researchers, or others to participate in a one-day symposium: *New Trends in Studying the Biology of Ascomycetes* in honor of Dr. Richard T. Hanlin. The symposium will take place May 2, 2014 at the Georgia Center for Continuing Education on the campus of University of Georgia in Athens from 9:30 am until 5:30 pm. Those interested in attending or presenting a poster should contact Dr. Sharon A. Cantrell (scantrel@suagm.edu) by March 31, 2014. Abstracts for



poster presentations should be 350 words or less. Poster size should be limited to 4' x 3'. No registration fee is required but space is limited. Participants are responsible for all travel expenses and arrangements.

The tentative agenda is as follows:

May 2, 2014

Georgia Center for Continuing Education University of Georgia, Athens

- 9:30 am Registration and Refreshment Break
- 10:30 am Dr. Richard T. Hanlin Honor Ceremony
- 11:00 am 25th Annual E. S. Luttrell Lecture
by Dr. Amy Rossman
- 12:00 pm Lunch in the Magnolia Ballroom
- 1:30 pm Symposium: *New trends in the study
of the Biology of Ascomycetes*
- 3:30 pm Poster Session
- 4:30 pm Reception

Pre- and Post-IMC 2014 Workshops

The International Mycological Congress, scheduled to be held in Bangkok during the period of August 3-8 in 2014, represents an extraordinary opportunity for mycologists from all over the world to come and experience the fungi of the tropics of Southeast Asia. Wandering through tropical forests, collecting and studying the myriad of both microscopic and macroscopic fungi found in such habitats, is an once-in-a-lifetime opportunity that the Mushroom Research Foundation is able to provide in northern Thailand in the context of IMC 2014.

The Mushroom Research Foundation is a non-profit organization that has been promoting studies of fungal diversity and taxonomy throughout Asia and the rest of the world by providing opportunities for students to receive practical and hands-on training and expertise in fungal biology at a field research station, the Mushroom Research Centre (MRC). The latter is located about 30 km north of Chiang Mai, the second largest and one of the most ancient historical cities of Thailand. MRC is a full-fledged fungal field research station, providing both meals and lodging, and is constructed in the midst of a dense tropical rain forest. Many successful fungal forays have been carried out at this site since 2003, and MRC also served as the base of operations for an international training program for students funded by a grant from the National Science Foundation of the United States (<thailand.uark.edu>). Details relating to the laboratory facilities and accommodations available at MRC can be obtained from the website <<http://www.mushroomresearchcentre.com>>. It is possible to reach Chiang Mai from Bangkok by road, rail or air.

The Mushroom Research Foundation has organized seven pre-congress (28 July to 3 August) and seven post-con-

gress (9 to 14 August) fungal forays/workshops, in which participants will be provided with all of the facilities and accommodations needed to collect and work with fungi at MRC/Chiang Rai/Phitsanulok under the guidance of expert mycologists. The Foundation will arrange for meals and lodging as well as providing collecting gear, laboratory facilities and local transport to all participants.

In addition, for anyone interested in such activities, the Foundation will organize leisure outings to nearby gorgeous waterfalls, hot-water springs, world famous elephant-riding, zoological gardens, and unique tropical botanical and herbal gardens, on an additional payment basis. For more details please visit IMC 10 webpage at <http://www.imc10.com/2014/pre-workshop.html> or send an e-mail to mrcthailand@gmail.com.

Pre-congress workshops from 28 July to 3 August 2014

Northern Thailand mushroom diversity at MRC, Chiang Mai (main organizer: Dr. Else Vellinga)

Central Thailand mushroom diversity at NU, Phitsanulok (main organizer: Dr. Olivier Raspe)

Fungal phylogenetic analysis at Wanasom Wellness and Aesthetic Resort, Chiang Rai (main organizer: Dr. Martin Ryberg)

Bracket fungi at MRC, Chiang Mai (main organizer: Dr. Yu Chen Dai)

Mushroom growing at the Mushroom Research Farm & Rangsinee Resort, Chiang Rai (main organizer: Dr. Philippe Callac)

Myxomycetes at MRC, Chiang Mai (main organizer: Dr. Steve Stephenson)

Continued on following page

Plant pathogenic fungi at MRC, Chiang Mai (main organizer: Dr. Roger Shivas)

Pre-congress workshop from 5 July to 2 August 2014 (4 weeks)

Fungal biodiversity survey at MRC, Chiang Mai (main organizers: Dr. Olivier Raspe, Dr. Philippe Callac, Dr. Kevin Hyde and Dr. D. J. Bhat)

Post-congress workshop from 9 to 14 August 2014

Ascomycetes at MRC, Chiang Mai (main organizer: Dr. Marc Stadler)

Freshwater fungi at the Rangsinee Resort, Chiang Rai (main organizer: Dr. Huzefa Raja)

Fungal phylogenetic analysis at Wanasom Wellness and Aesthetic Resort, Chiang Rai (main organizer: Dr. Martin Ryberg)

Lichens at MRC, Chiang Mai (main organizer: Dr. Robert Lücking)

Photography at the Wanasom Wellness and Aesthetic Resort, Chiang Rai (main organizer: Mr. Michael Pilkington)

Asexually reproducing fungi (hyphomycetes and coelomycetes) at MRC, Chiang Mai (main organizer: Dr. D. J. Bhat)

Rusts and smut fungi at MRC, Chiang Mai (main organizer: Dr. Eric McKenzie)

Post-congress workshop from 9 August to 6 September 2014 (4 weeks)

Fungal biodiversity survey at MRC, Chiang Mai (main organizers: Dr. Olivier Raspe, Dr. Philippe Callac, Dr. Kevin Hyde and Dr. D. J. Bhat)

MRC – Mushroom Research Centre, Chiang Mai (<http://www.mushroomresearchcentre.com/>)

NU - Naresuan University, Phitsanulok

Wanasom Wellness and Aesthetic Resort, Chiang Rai (<http://www.wanasomresort.com/>)

Rangsinee Resort, Chiang Rai

(http://www.chiangrai2.com/E/rooms_rangsinee_resort_chiang_rai.php)

Steven L. Stephenson

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NAMA Seeking McIlvainea Editor

The North American Mycological Association (NAMA) is seeking an editor for *McIlvainea: Journal of American Amateur Mycology*. Contact Michael W. Beug, acting Editor 2008-2013 for details.

MYCOLOGICAL CLASSIFIEDS

Biological Control, Biotechnology and Regulatory Services

Center for Regulatory Research, LLC specializes in regulatory permit application services for biological control and biotechnology organisms/products. Let us evaluate your research discoveries for commercial potential and environmental impacts. We also offer assistance with writing pro-

posals for SBIR grant programs (Small Business Innovation Research) that fund new commercial ventures. Contact Dr. Sue Cohen by email (sdcohen@regresearch.com) or by phone (612-246-3838). For more information about our company, visit our website at www.regresearch.com.

Mold and Fungus Testing and Identification Services

Biochallenge tests for ink, microfluidic materials; testing for resistance of materials to fungal invasion. Identification of fungal contaminants in manufactured products. Epi-fluorescent microbial detection in deionized water systems, microfluidic devices, medical fluids, manufactured goods.

Identification of fungi from buildings, animal and plant diseases. 10% discount for regular and sustaining MSA members. Email info@pacificanalytical.com. For more information see www.pacificanalytical.com

Mycology Books for Sale – Alan Parker

I have been a MSA member since 1971, retired from UW-Waukesha in May 2011, and wish to sell some technical mycology books. I have a number of monographs from the 1900s-1970s, and bound reprints by Micheli (1729/1976), Schweinitz (1832/1967), and Tulasne & Tulasne (1869/1931). Among the other books are Bourdot & Galzin (1928), Cunningham (1963) New Zealand and Australia Theleporaceae, Snell & Dick (1970) Boleti, Cokers & Beers (1943) Boletaceae, Munk (1957) Danish Pyreno-

mycetes, Ainsworth & Sussman (1967-1973) Fungi Vols I-IVB, Martin & Alexopoulos (1969) Myxomycetes, Kauffman (1918) Agaricaceae of Michigan Vols I-II, Wasson & Wasson (1957) Mushrooms, Russia, and History Vols I-II, slipcase, excellent condition, will sell \$800 less than any internet dealers. Also have about 50 other books.

For the complete list with prices, please email Alan Parker at: alananddiana@att.net. For specific information I can also be reached at 262-542-7688.

MYCOLOGIST'S BOOKSHELF

We have two reviews for this issue. The updated list of books available for review includes three new books that have recently come available. If you are interested in reviewing a book, contact me (robert.marra@ct.gov) and I will have the book “drop-shipped” directly from the publisher; this will streamline the process at my end and will save our Society from racking up considerable shipping expenses. A book goes to the first person requesting it, and I ask that you get your reviews to me in a reasonably timely manner. Also, if you know of a newly published book that might be of interest to mycologists, please let me know so I can request it from the publisher.

—Bob Marra

Books in Need of Reviewers

- ****Desert Truffles. Phylogeny, Physiology, Distribution and Domestication.** 2014. V. Kagan-Zur, N. Roth-Bejerano, Y. Sitrit, A. Morte (Eds). Soil Biology Series, v.38. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-3-642-40095-7. 397 pp, 97 illus., 47 in color. Price: \$189 (hardcover). Also available as eBook pdf download, ISBN 978-3-642-40096-4, \$149.
- **Phytopathogenic Dothideomycetes.** 2013. P.W. Crous, G.J.M. Verkley, J.Z. Groenewald (Eds.). CBS Studies in Mycology No. 75. CBS Fungal Biodiversity Centre. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-96-0. 406 pp, fully illustrated with color pictures (A4 format). Price: € 70 (paperback).
- **The Genus *Tricholoma*.** 2013. Fungi of Northern Europe, v.4. Morten Christensen and Jacob Heilmann-Claesen. Koeltz Scientific Books, Koenigstein, Germany. www.koeltz.com. ISBN: 978-8-798-35818-3. 228 pp, with color illustrations. € 56 (hardcover).
- ***Fusarium*: Genomics, Molecular and Cellular Biology.** 2013. Daren W. Brown and Robert H. Proctor, eds. Caister Academic Press, Norfolk, UK. www.caister.com. ISBN: 978-1-908230-25-6. 182 pp plus color plates. \$319 (hardcover).
- **Tricholomas of North America.** 2013. *The Corrie Herring Hooks Series No. 68*. Alan Bessette, Arleen Bessette, William Roody, Steven Trudell. University of Texas Press. <http://www.utexas.edu/utpress/>. ISBN 978-0-292-74233-8. 220 pp, 186 color photos. Price \$29.95 (softcover).
- **Development of *Aspergillus niger*.** 2013. J. Dijksterhuis, H. Wosten (Eds.). CBS Studies in Mycology No. 74. CBS Fungal Biodiversity Centre. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-93-9. 85 pp, fully illustrated with color pictures (A4 format). Price: € 40 (softcover).
- **Microbial Carotenoids from Fungi: Methods and Protocols.** 2012. Jose-Luis Barredo (Ed.). Humana Press (Springer). www.springer.com. ISBN: 978-1-61779-917-4. 290 pp, 51 illus., 9 in color. Price: \$119 (hardcover); \$94.99 (e-book).
- **Plant Fungal Pathogens: Methods and Protocols.** 2012. Melvin D Bolton, Bart PHJ Thomma (Eds). Part of the “Methods in Molecular Biology” series, v.835. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-1-61779-5008. 769 pp, 138 illus., 74 in color. Price: \$159.00 (hardcover).

** New this issue

Books with Reviewers Assigned

- **Fascinated by Fungi: exploring the majesty and mystery, facts and fantasy of the quirkiest kingdom on earth.** 2011. Pat O'Reilly. First Nature. www.first-nature.com. ISBN 978-0-095-60544-3-2. 450 pp, over 1000 color photos. Price: £24.95. *Reviewed this issue.*
- **Cold-Adapted Microorganisms.** 2013. I. Yumoto, ed. Caister Academic Press, Norfolk, UK. www.caister.com. ISBN: 978-1-908230-26-3. 226 pp plus color plates. \$319 (hardcover). *Reviewed this issue.*
- **The Mycota, Vol. 10: Industrial Applications, 2nd ed.** 2011. Martin Hofrichter (Ed.). Karl Esser (Series Ed.). Springer. www.springer.com. ISBN: 978-3-642-11457-1. 485 pp, 152 illus. Price: \$269.00 (hardcover).
- **Edible Ectomycorrhizal Mushrooms: Current Knowledge and Future Prospects.** 2012. Alessandra Zambonelli and Gregory Bonito (Eds.). Springer. www.springer.com. ISBN 978-3-642-33822-9. 409 pp, 35 illus (16 in color). Price: \$209 (hardcover); also available as eBook pdf download, ISBN 978-3-642-33823-6, \$159.
- **Taxonomic Manual of the Erysiphales (Powdery Mildews).** 2012. Uwe Braun and R.T.A. Cook. CBS Biodiversity Series 11. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-89-2. 707 pp, 853 figures. Price: € 80 (hardcover).
- **Biodiversity in Dead Wood.** 2012. Juha Siitonen, Bengt Gunnar Jonsson. Cambridge University Press, Cambridge, UK. www.cambridge.org. ISBN: 9780521717038. 524 pp, 92 b/w illus. 21 tables. Price: £38.00 (paperback).
- **Pollination Biology.** 2012. D. P. Abrol. Biodiversity, Conservation, and Agricultural Production. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-94-007-1941-5. 792pp, 23 illus., 18 in color. Price: \$209.00 (hardcover).
- **Fungal Plant Pathogens (Principles and Protocols Series).** March 2012. CR Lane, P Beales, KJK Hughes (Eds). CABI, Oxfordshire, UK. www.cabi.org. 978-1-8459-3668-6. 324 pp. Price: \$75.
- **Practical Guide to Turfgrass Fungicides.** 2011. Richard Latin. APS Press, St. Paul, MN. www.apsnet.org. ISBN: 978-0-89054-392-4. 280 pp, 115 images, 29 chemical structures. Price: \$139.95 (hardcover).
- **Coalescent Theory: An Introduction.** 2009. John Wakely. Roberts & Company Publishers, Greenwood Village, CO. www.roberts-publishers.com/. ISBN: 978-0-9747-0775-4. 352 pp, b&w. Price: \$48 (softcover).
- **Tree Thinking: An Introduction to Phylogenetic Biology.** Available July 2012. David Baum and Stacey Smith. Roberts & Company Publishers, Greenwood Village, CO. www.roberts-publishers.com/. ISBN: 978-1-9362-2116-5. 400 pp, b&w. Price: \$60 (hardback).
- **Forest Health: An Integrated Perspective.** 2011. John D. Castello, Stephen A. Teale (eds.). Cambridge University Press, Cambridge, UK. www.cambridge.org. ISBN: 9780521766692. 404 pp, 80 b/w illus. 7 tables. Price: £65.00 (hardcover).

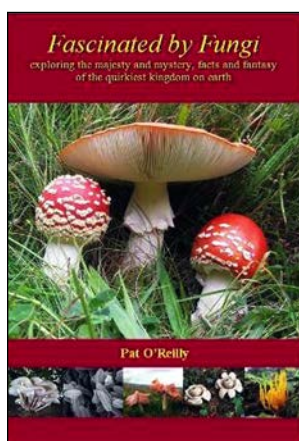
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- **Yeast Research: An Historical Overview.** 2011. James A. Barnett, Linda Barnett. ASM Press, Washington, DC. www.asmpress.org. ISBN: 978-1-55581-516-5. 392 pp, illus. Price: \$159.95 (hardcover).
- **Medically Important Fungi: A Guide to Identification, 5th ed.** 2011. Davise H. Larone. ASM Press, Washington, DC. www.asmpress.org. ISBN: 978-1-55581-660-5. 508 pp, illus, color plates. Price \$109.95 (hardcover).
- **Atlas of Soil Ascomycetes.** 2012. J. Guarro, J. Gene, A.M. Stchigel and M.J. Figueras. CBS Biodiversity Series 10. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-88-5. 486 pp, 322 figures. Price: € 70 (hardcover).
- **Texas Mushrooms: A Field Guide.** 1992 (new preface 2013). *The Corrie Herring Hooks Series No. 18.* Susan Metzler and Van Metzler (Orson K. Miller, Jr., Scientific Adviser). University of Texas Press. <http://www.utexas.edu/utpress/>. ISBN 978-0-292-75126-2. 360 pp, 249 illustrations, 2 figures, 1 map, 11 tables. Price: \$39.95 (softcover).
- **Fungal Biology in the Origin and Emergence of Life.** 2013. David Moore. Cambridge University Press. www.cambridge.org. ISBN: 978-11-07652-77-4. 236 pp, 28 b/2 illus, 2 tables. Price: \$42.99 (softcover).
- **The Mycota, v.IX: Fungal Associations.** 2012. Bertold Hock (Ed.). Springer. www.springer.com. ISBN 978-3-642-30825-3. 406 pp, 84 illus (62 in color). Price: \$269 (hardcover). Also available as eBook (pdf download), price: \$209.
- **Funga Nordica, 2nd ed. 2012. H. Knudsen and J. Vesterholt (Eds.).** Nordsvamp, Copenhagen. ISBN: 9788798396130. 1083 pp (2 volumes). Price £95, €111.15.
- **The Analysis of Biological Data.** 2009. Michael Whitlock and Dolph Schluter. Roberts & Company Publishers, Greenwood Village, CO. www.roberts-publishers.com/. ISBN: 978-0-9815-1940-1. 704 pp, full color. Price: \$80 (hardback).
- **Ophiostomatoid Fungi: Expanding Frontiers.** 2013. K. Seifert, Z. Wilhelm de Beer, M. J. Wingfield (Eds.). CBS Biodiversity Series 12. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-94-6. 337 pp, fully illustrated. Price: € 75 (hardcover).
- **Neurospora: Genomics and Molecular Biology.** January 2013. D. P. Kasbekar and K McCluskey (Eds.). Horizon Press. <http://www.horizonpress.com>. ISBN: 978-1-908230-12-6. 294 pp, w/illus. Price: \$319 (hardback).
- **Indian Coelomycetes.** 2012. J. Muthumary. MJP Publishers, New Delhi, Indian. <http://www.mjppublishers.com/index.html>. ISBN: 978-81-8094-162-7. 366 pp, illustrations and photomicrographs. \$50 (hardcover).
- **The Kingdom of Fungi.** 2013. Jens H. Petersen. Princeton University Press. <http://press.princeton.edu/>. ISBN: 978-06-91157-54-2. 256 pp, 800+ color photos. \$29.95 (cloth). Also available as eBook.
- **A Primer of Botanical Latin with Vocabulary.** Available March 2013. Emma Short & Alex George. Cambridge University Press. www.cambridge.org. ISBN 978-11-07693-75-3. 102 tables, 21 exercises. Price £24.99 (paperback).
- **Key For Identification of Common Phytophthora Species.** 2011. Jean Beagle Ristaino. APS Press, St. Paul, MN. www.apsnet.org. ISBN: 978-0-89054-397-9. CD-ROM. Price: \$269.00 (single user).
- **Plant Fungal Pathogens: Methods and Protocols.** 2012. Melvin D Bolton, Bart PHJ Thomma (Eds). Part of the “Methods in Molecular Biology” series, v.835. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-1-61779-5008. 769 pp, 138 illus., 74 in color. Price: \$159.00 (hardcover).
- **Endophytes of Forest Trees: Biology and Applications.** 2011. Anna Maria Pirttila, Carolin Frank (Eds.). Forestry Science Series, v.80. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-94-007-1598-1. 322 pp, Price: \$209.00 (hardcover). also available as eBook pdf download, ISBN 978-94-007-1599-8, \$159. *Review Copy online only; hardcover copy provided following receipt of published review.*
- **Laboratory Protocols in Fungal Biology: Current Methods in Fungal Biology.** Avail June 2012. Vijai Kumar Gupta, Maria Tuohy, Eds. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-1-4614-2355-3. 802 pp, 105 illus., 40 in color. Price: \$279.00 (hardcover). *Review Copy online only; hardcover copy provided following receipt of published review.*
- **Rosellinia – a world monograph.** 2013. Liliane E. Petrini. Bibliotheca Mycologica, Band 205. www.schweizerbart.de/. ISBN: 978-3-443-59107-6. 410 pp, 72 photograph plates and line drawings. € 119 (paperback).
- **Cultivation and Diseases of Proteaceae: Leucadendron, Leucospermum and Protea.** 2013. Pedro Crous, Sandra Denman, Joanne E. Taylor, Lizeth Swart, Carolien M. Bezuidenhout, Lynn Hoffman, Mary E. Palm, and Johannes Z. Groenewald. CBS Biodiversity Series 13. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-95-3. 360 pp, fully illustrated with color pictures. A4 format. Price: € 75 (hardcover, bound).

Fascinated by Fungi

Fascinated by Fungi: exploring the majesty and mystery, facts and fantasy of the quirkiest kingdom on earth. 2011. Pat O'Reilly. First Nature. www.first-nature.com. ISBN 978-0-095-60544-3-2. 450 pp, over 1000 color photos. Price: £24.95.

This book is “a love story,” a consequence of “a forty year fascination with fungi,” by a much-respected naturalist and author, who has done much for conservation in Wales, not least as a member of the Countryside Council for Wales. It is “neither a field guide nor a scientific treatise,”



but “a broad, and I hope simple-to-follow, introduction to this complex subject.”

The book is arranged as ten chapters, with four appendices. The first two chapters provide an overview of the kingdom, reproduction, nutrition, and terminology. The following seven focus on different habitats, but with many fascinating and unexpected digressions, such as the birth of life on Earth, cladistics, viruses, and the history of grass. The section on “Wood, trees, forests and fungi” includes information on the identification of trees, with photographs of trees, leaves, their flowers, fruits, and bark. This is a valuable aid of especial value to aspirant mycologists unfamiliar with tree species in the area, and something I have only otherwise seen in Francisco “Paco” Calogne’s *Setas de Madrid* (1998; Madrid: Comunidad Autónoma) – a work also aimed at an audience who may have little or no biological background. It was also very satisfying to see guidance on management

Continued on following page

practices to maintain fungal diversity in different habitats, and also eight “basic guidelines for ecologically-sensitive forays” (p. 389). Further, he comments that it is “sacrilege to trample wonderful wildflower meadows in the vain hope of finding early-fruiting fungi,” and commends the use of a mirror to inspect the gills of mushrooms without picking them. Conservation issues are too rarely flagged in field guides.

An impressive 400 species are treated in the habitat sections, almost all in colour, and the work as a whole has around 1000 photographs, almost all taken by the author, but the quality of some has sadly evidently suffered in reproduction. Scales would have been helpful in many, but accompanying plants provide a guide for those familiar with them. Look-alikes are helpfully featured in some cases, and can be rather amusing, not least earth-tongues with handles of a leather bag.

The final chapter, “Forays for food, fun, and photography,” has the most practical and full treatment of digital fungal macrophotography I have seen, with discussions of the effects of pixilation, compression, aperture size, exposure time, storage, and organization of a photo-library. Microscopic examination is also described and illustrated. There is a handful of recipes, and pragmatic guidelines on preservation methods for future cooking, to which vacuum-packing could be added.

A series of four appendices provide a glossary, the meaning of scientific names, author citations and other information resources, including societies and websites. The

dangers of searching on Google are pointed out; e.g., “nail fungus” may not yield many hits for *Poronia punctata* (p. 372). Separate indices are provided for common names, scientific names, and topics.

Of course, there are the inevitable little proofing slips that always lurk despite the most attentive proof-reading, such as the page reference on p. 111 to p. 160 for further information on *Strobilomyces strobilaceus*, which should have been p.165. The phrase “fungi species” also jarred (p. 420). Of more concern is the occasional misunderstanding, as the statement that the type species of a genus is that “which best exemplifies the essential characteristics of the genus to which it belongs” (p. 47).

While the focus is on macrofungi, the fact that most fungi are invisible to the naked eye is stressed, and, as to identifying smaller ascomycetes, many mycologists will empathize with the comment that “if they don’t make you blind they may well drive you mad.” Readers are urged to “join in the search for a greater understanding of a crucial component of our life-support system,” and this eclectic book-from-the-heart can hardly fail to enthuse naturalists inquisitive about fungi and their roles and wishing to start on their personal explorations of the kingdom.

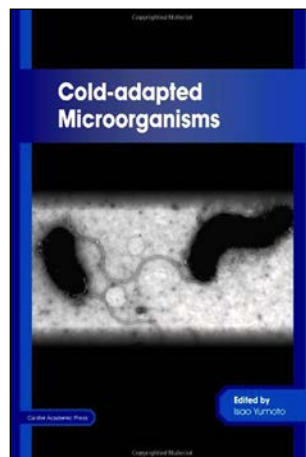
David L Hawksworth

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Cold-Adapted Microorganisms

Cold-Adapted Microorganisms. 2013. I. Yumoto, ed. Caister Academic Press, Norfolk, UK. www.caister.com. ISBN: 978-1-908230-26-3. 226 pp plus color plates. \$319 (hardcover).

Cold-adapted (psychrophilic and psychrotrophic) microorganisms have the ability to grow at low temperatures. This book on cold-adapted microorganisms has contributions from 26 prominent scientists, who present current knowledge and concepts on these microorganisms. The book is divided into three sections: “Biodiversity in Cold Ecosystems,” “Physiology and Molecular Adaptation Mecha-



nisms,” and “Biomolecules Related to Cold.” Although most of the contributions are based on the bacteria, there is a very informative chapter on fungi in the cryosphere. Cold-adapted microorganism ecology, energy metabolism, proteins, catalases, resuscitation-promoting factors and lipids are discussed in detail with extensive references. This book constitutes a valuable source of information for scientists and graduate students interested in cold-adapted microorganisms, extremophiles, environmental microbiology and enzymology, as well as to those scientists interested in the use of cold-adapted microorganisms in biotechnological applications such as in waste treatment, biofuels, food industry and medicine. The chapters are relatively short and written in simple readable language although I believe that visual images of the cold-adapted microorganisms would have been excellent addition.

Florence Okafor, Ph.D.

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MYCOLOGICAL JOBS

Scientist – Mycology at the American Type Culture Collection

ATCC is a private, nonprofit biological resource center (BRC) and research organization whose mission focuses on the acquisition, authentication, production, preservation, development and distribution of standard reference microorganisms, cell lines and other materials for research in the life sciences. We are currently seeking a qualified Scientist - Mycology with the following experience and credentials.

Requirements: Doctoral degree in Microbiology and Immunology, Medical Mycology or closely related field required, with up to 5 years post graduate experience. Ph.D. level scientist in mycology is needed in support of the NIAID BEI Resources program. Research program areas of interest should have an emphasis on fungal or yeast pathogens of relevance to human health including, for example, *Histoplasma*, *Cryptococcus*, *Coccidioides*, *Candida*, *Aspergillus*,

Blastomyces, *Encephalitozoon*, or *Sporothrix* spp. Responsibilities include enhancing diversity of collections holdings, development of assays for authentication of target organisms, and development of novel reagents supporting NIAID and ATCC initiatives. Candidates are expected to possess strong molecular skills and be experienced with culture of fungal pathogens. Candidates with supervisory experience, hands-on experience for multiple pathogens and initiative to work in biocontainment up to BSL3+ are especially encouraged to apply.

Location: Manassas, VA, USA

APPLY DIRECTLY TO THE ATCC WEBSITE AT:

https://www4.recruitingcenter.net/Clients/atcc/PublicJobs/controller.cfm?jbaaction=JobProfile&Job_Id=10773&esid=az

Assistant/Associate Professor, Mycology, Louisiana State University

The Department of Plant Pathology & Crop Physiology, LSU AgCenter, Baton Rouge, Louisiana

NATURE OF POSITION: Tenure-track position, 75% research in the Louisiana Agricultural Experiment Station and 25% teaching in the LSU College of Agriculture.

POSITION DESCRIPTION: The faculty member will conduct research on plant-associated filamentous fungi using state-of-the-art technologies to explore questions in pathogenesis, genetics, plant interactions, development, diversity, evolution, metabolism or ecology. Teaching duties include teaching courses in introductory mycology and advanced plant pathogenic fungi. Mentoring graduate, undergraduate and/or postdoctoral researchers is expected. Securing extramural funding for research and teaching activities is expected. The faculty member also is expected to publish in appropriate peer-reviewed journals and to provide service to the

department, institution and appropriate professional societies.

QUALIFICATION REQUIREMENTS: Applicant must have earned a Ph.D. in mycology, plant pathology or related discipline with emphasis, course work, and/or experience in mycology. Candidates with research experience working with fungi or oomycota associated with economically important plants is highly desirable. Expertise in phylogenetics/fungal systematics also is highly desirable. Postdoctoral experience preferred. Interpersonal, oral and written communication skills and a willingness and ability to work in a team-oriented environment are essential.

APPLICATION DEADLINE: March 15, 2014 or until suitable candidate is located.

APPLICATION PROCEDURE: Must apply online at <https://lsusystemcareers.lsu.edu/>

Post-Doctoral Fellow/Research Associate in Phylogenetics/Molecular Diagnosis

The main objective of this joint project between the Department of Plant Pathology & Environmental Microbiology at Penn State and the Pennsylvania Department of Agriculture (PDA) is to survey and identify high-risk pathogens threatening the PA agriculture using both the molecular and conventional diagnostic tools. Main target pathogens are Phytophthora species, but additional pathogens may be included. Experience in phylogenetics and molecular diagnosis is highly desirable but not essential. The candidate will work at PDA (Harrisburg, PA), which is located about 1.5 hours away from Penn State. Main responsibilities include: (a) identifying Phytophthora isolates/species via sequencing and phylogenetic analysis, (b) assisting researchers at PDA in

conducting real-time PCR-based detection of *P. ramorum* in stream samples and plant materials from local surveys; and (c) developing molecular diagnostic tools for selected pathogens.

This appointment could be extended beyond one year, depending on successful performance and fund availability. Salary will commensurate with experience. Applicants should submit a cover letter outlining relevant educational and research experiences, CV and contact information for three referees via e-mail to Dr. Seogchan Kang, Department of Plant Pathology & Environmental Microbiology, The Pennsylvania State University, University Park, PA 16802; sxk55@psu.edu.

Postdoctoral Position – University of Ottawa

Postdoctoral Position in Comparative and Population Genomics of Symbiotic and Pathogenic Fungi—University of Ottawa The Corradi Lab is currently seeking a postdoctoral fellow in the field of Fungal Comparative and Population Genomics. The research will be

Led by Dr. Nicolas Corradi and carried out in a CIFAR (Canadian Institute for Advanced Research) -affiliated laboratory located in the Department of Biology of the University of Ottawa, Canada. The position will be initially funded for one year, with the possibility of renewal for up to three years depending on performance. The candidate is expected to contribute to several ongoing projects that focus on the Comparative and Population Genomics of two evolutionary unrelated groups of fungi: the Arbuscular Mycorrhizal Fungi (AMF) and the Microsporidia. Enquiries about specific projects can be sent to Dr. Nicolas Corradi (ncorradi@uottawa.ca). Applicants are expected to have a background in comparative ge-

nomics or populations genomics. A strong experience in either Population Genetics, Environmental Genomics, Metagenomics, or ab-initio gene annotation and programming will be seen as an asset for the final selection of the candidate. Basic knowledge of Linux is required. A complete application package includes a CV, a one-page description of past research accomplishments and future goals, and the names and e-mail addresses of at least 2 references. Evaluation of applications starts immediately and will continue until a suitable candidate is found. The University of Ottawa is a large, research-intensive university, hosting over 40,000 students and located in the downtown core area of Canada's capital city (<http://www.science.uottawa.ca/fac/welcome.html>). Ottawa is a vibrant, multicultural city with a very high quality of life (<http://www.ottawatourism.ca/fr/>)

Applications can be sent to Dr. Nicolas Corradi (ncorradi@uottawa.ca).

Job Listings: See <http://msafungi.org/category/jobs/> for up-to-date posts.

Mycological Society of America – Gift Membership Form

Sponsoring a gift membership in MSA offers tangible support both for the recipient of the membership as well as for mycology in general. Providing both *Mycologia* and *Inoculum*, a gift membership is an excellent way to further the efforts of our mycological colleagues, especially those who cannot afford an MSA membership. In addition to a feeling of great satisfaction, you also will receive a convenient reminder for renewal of the gift membership the following year.

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Send this form to: MSA Business Office, PO Box 1897, Lawrence KS 66044
or FAX to (785) 843-1274, Attn: Processing Department

*If this membership is given after June 1, please add \$10 to cover postage for past issues.

MYCOLOGY ON-LINE

Below is an alphabetical list of websites featured in *Inoculum*. Those wishing to add sites to this directory or to edit addresses should email jkerrig@clemsun.edu. **Unless otherwise notified**, listings will be automatically deleted after one year (at the editors discretion).

In depth information about the genus *Amanita*
www.amanitaceae.org

A New Web Page About Tropical Fungi, Hongos Del Parque "El Haya" (58-5)
hongosdelhaya.blogspot.com/

ASCOFrance.com, a very useful site for illustrations of ascomycetes including anamorphs (accessible in both French and English)
ascofrance.com/?lang=us

Ascomycota of Sweden
www.umu.se/myconet/asco/indexASCO.html

Basidiomycete Research Group (University of Helsinki, Finland) studies systematics, ecology and evolution of fungi in forest environment.
www.basidio.fi

Bibliography of Systematic Mycology
www.speciesfungorum.org/BSM/bsm.htm

Cold Spring Harbor Laboratory; Meetings & Courses Programs (58-2)
meetings.cshl.edu

Collection of 800 Pictures of Macro- and Micro-fungi
www.mycolog.com

Cordyceps Website
www.mushtech.org

Cornell Mushroom Blog (58-1)
<http://blog.mycology.cornell.edu/>

Cortbase (58-2)
andromeda.botany.gu.se/cortbase.html

Corticoid Nomenclatural Database (56-2)
www.phyloinformatics.org/

The Cybertruffle internet server for mycology seeks to provide information about fungi from a global standpoint (59-3).
www.cybertruffle.org.uk

Cyberliber, a digital library for mycology (59-3).
www.cybertruffle.org.uk/cyberliber

Cybernome provides information about fungi and their associated organisms, with access to over 548,000 records of scientific names (59-3).
www.cybertruffle.org.uk/cybernome

Dictionary of The Fungi Classification
www.indexfungorum.org/names/fundic.asp

Distribution Maps of Caribbean Fungi (56-2)
www.biodiversity.ac.psiweb.com/carimaps/index.htm

Entomopathogenic Fungal Culture Collection (EFCC)
www.mushtech.org

Fungal Environmental Sampling and Informatics Network (58-2)
www.bio.utk.edu/fesin/

Fungi of Ecuador
www.mycology.com/Ecuador.html

German Mycological Society DGfM
www.dgfm-ev.de

Glomeromycota PHYLOGENY
amf-phylogeny.com

International Society for Human and Animal Mycology
www.isham.org

Medical Mycology journal
www.isham.org

MYCO-LICH facilitates mycology and lichenology studies in Iran.
www.mycology-lich.com

Mycologia
mycologia.org

Humboldt Institute — Located on the eastern coast of Maine, the institute is known for the series of advanced and professional-level natural history seminars it has offered since 1987, along with ecological restoration seminars and expeditions to the neotropics. It publishes the two peer-reviewed journals, *Northeastern Naturalist* and *Southeastern Naturalist*.
www.eaglehill.us

Taxonomy of the Hysteriaceae & Mytiliniaceae (Pleosporomycetidae, Dothideomycetes, Ascomycota) to facilitate species identification using a

set of updated and revised keys based on those first published by Hans Zogg in 1962. 59(4)
www.eboehm.com/

Index of Fungi
www.indexfungorum.org/names/names.asp

Interactive Key to *Hypocreales* of Southeastern United States (57-2)
nt.ars-grin.gov/sbmlweb/fungi/keydata.cfm

ISHAM: the International Society for Human and Animal Mycology
www.isham.org

JSTOR (58-3)
jstor.org

Libri Fungorum Mycological Publications (58-3)
194.203.77.76/LibriFungorum/

Mold Testing and Identification Services (58-2)
www.pioneer.net/~microbe/abbeylab.html

McCrone Research Institute is an internationally recognized not-for-profit institute specializing primarily in teaching applied microscopy. 59(4)
www.mcric.org

Mountain Justice Summer (58-3)
www.MountainJusticeSummer.org

Mycology Education Mart where all relevant mycology courses can be posted. www2.bio.ku.dk/mycology/courses/

MycoKey
www.mycology.com

The Myconet Classification of the Ascomycota
www.fieldmuseum.org/myconet

New Electronic Journal about mushrooms from Southeast Mexico (61-4)
<http://fungavera.blogspot.com>

Northeast Mycological Federation (NEMF) foray database (58-2)
www.nemfdata.org

Pacific Northwest Fungi
www.pnwfungi.org/

Pleurotus spp.
www.oystermushrooms.net

Rare, Endangered or Under-recorded Fungi in Ukraine (56-2)
www.cybertruffle.org.uk/redlists/index.htm

Registry of Mushrooms in Art
members.cox.net/mushroomsinart/

Robigalia provides information about field observations, published records and reference collection specimens of fungi and their associated organisms, with access to over 685,000 records (59-3).
www.cybertruffle.org.uk/robigalia

Searchable database of culture collection of wood decay fungi (56-6)
www.fpl.fs.fed.us/rwu4501/index.html

Small Things Considered
schaechter.asmblog.org/schaechter/

Tree canopy biodiversity project University of Central Missouri (58-4)
faculty.cmsu.edu/myxo/

Trichomycete site includes monograph, interactive keys, a complete database, world literature, etc. (61-4)
www.nhm.ku.edu/~fungi

The TRTC Fungarium (58-1)
bbc.botany.utoronto.ca/ROM/TRTCFungarium/home.php

U.S. National Fungus Collections (BPI) Complete Mushroom Specimen Database (57-1)
www.ars.usda.gov/ba/psi/sbml

Valhalla provides information about past mycologists, with names, dates of birth and death and, in some cases, biographies and/or portraits (59-3).
www.cybertruffle.org.uk/valhalla

Website for the mycological journal *Mycena* (56-2)
www.mycena.org/index.htm

Wild Mushrooms From Tokyo
www.ne.jp/asahi/mushroom/tokyo/

CALENDAR OF EVENTS

NOTE TO MEMBERS:

Those wishing to list upcoming mycological courses, workshops, conventions, symposia, and forays in the Calendar of Events should include complete postal/electronic addresses and submit to *Inoculum* editor Julia Kerrigan at jkerrig@clermson.edu.

March 23-27, 2014

12th European Conference on Fungal Genetics
Seville, Spain

April 11-13, 2014

35th Annual Mid-Atlantic States Mycology Conference (MASMC)
Appalachian State University, Boone, North Carolina

April 22-24, 2014

E.O. Wilson Biodiversity Symposium
The University of Alabama, Tuscaloosa, Alabama

April 27-29, 2014

British Society for Medical Mycology
Radisson Blu Hotel, Manchester Airport,
United Kingdom

May 14-16, 2014

33rd New Phytologist Symposium. Networks of Power and Influence: ecology and evolution of symbioses between plants and mycorrhizal fungi
Zurich, Switzerland

May 17-29, 2014

American Society for Microbiology
Boston, Massachusetts

June 8-12 2014

Mycological Society of America annual meeting
East Lansing, Michigan

June 15-20, 2014

Gordon Research Conference: Cellular and Molecular Fungal Biology
The Holderness School, Plymouth, New Hampshire

July 27-Aug 1, 2014

IUMS: International Union of Microbiological Societies
Montreal, Canada

August 3-8, 2014

International Mycological Congress (IMC10)
Bangkok, Thailand

August 9-13, 2014

American Phytopathological Society (APS) and Canadian Phytopathological Society (CPS) joint meeting
Minneapolis, Minnesota

October 9-12, 2014

North American Mycological Association (NAMA) Annual Foray
Camp Arnold near Eatonville, Washington

November 4-7, 2014

VIII Latin-American Congress of Mycology (VIII CLAM)

Colombia: the Crossroads of Latin-America's Fungal Diversity

Centro de Convenciones Plaza Mayor,
Medellín, Colombia

March 17-22, 2015

The 28th Fungal Genetics Conference
Asilomar, California

July 24-30, 2015

Mycological Society of America and the Botanical Society of America joint meeting
Edmonton, Alberta, Canada

August 3-7, 2015

Eighth International Conference of Mycorrhiza (ICOM8)
Flagstaff, Arizona

2016 (dates TBD)

Brazilian Mycological Congress, Congresso Brasileiro de Micologia
Universidade Federal de Santa Catarina
Florianópolis, Santa Catarina, Brazil

 **8th International Conference on Mycorrhiza (ICOM8)**
August 3-7, 2015
Flagstaff, Arizona, USA



SAVE THE DATES!!

You are cordially invited to attend the **8th International Conference on Mycorrhiza (ICOM8)**. Under the auspices of the International Mycorrhiza Society, ICOM8 is being organized by Northern Arizona University.

Theme: Mycorrhizal Integration Across Continents and Scales

The theme of ICOM8 reflects the goal of finding common interests that transcend national borders and scientific disciplines. ICOM8 seeks to stimulate a productive exchange of information and ideas among mycorrhizal researchers from around the world, including physiologists, geneticists, taxonomists, ecologists, inoculum producers, and land managers.

Sponsorship opportunities are available!

Special thanks to the Center for Conservation Biology, UC Riverside; the International Mycorrhiza Society, and the Merriam-Powell Center for Environmental Research for their sponsorships!

<http://nau.edu/Merriam-Powell/ICOM8>
Information: Cathering.Gehring@nau.edu or Nancy.Johnson@nau.edu

MSA Sustaining Members 2014

The Society is extremely grateful for the continuing support of its Sustaining Members. Please patronize them and, whenever possible, let their representatives know of our appreciation.

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You are encouraged to inform the Membership Committee (Jose Herrera, Chair, jose.herrera@wnmu.edu) of firms or foundations that might be approached about Sustaining Membership in the MSA. Sustaining members have all the rights and privileges of individual members in the MSA and are listed as Sustaining Members in all issues of *Mycologia* and *Inoculum*.

REMINDER: MSA Directory Update

Is your information up-to-date in the MSA directory? The Society is relying more and more on email to bring you the latest MSA news, awards announcements and other timely information, and our newsletter. To ensure that you receive Society blast emails and the *Inoculum* as soon as it comes out, and so that your colleagues can keep in touch, please check the accuracy of your email address and contact information in the online directory. This can be accessed via our web site at www.msafungi.org. If you need assistance with updating your membership information, or help with your membership log-in ID and password, please contact Kay Rose, Association Manager at Allen Press, at krrose@allenpress.com.

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(Please print clearly)

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Mark most appropriate area(s)

- Cell Biology – Physiology** (including cytological, ultrastructural, metabolic regulatory and developmental aspects of cells)
- Ecology – Pathology** (including phytopathology, medical mycology, symbiotic associations, saprobic relationships and community structure/dynamics)
- Genetics – Molecular Biology** (including transmission, population and molecular genetics and molecular mechanisms of gene expression)
- Systematics – Evolution** (including taxonomy, comparative morphology molecular systematics, phylogenetic inference, and population biology)

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